



Box-Sequence  
1653

Attorney Docket No. 24170  
BOX PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KIM et al.

Serial No.: 09/627,165

Group Art Unit: 1653

Filed: July 27, 2000

Examiner: Kam

For: **CRUDE EXTRACT FROM *Viscum album coloratum*, AND PROTEINS AND LECTINS ISOLATED THEREFROM**

RECEIVED

OCT 28 2002

TECH CENTER 1600/2900

TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

Sir:

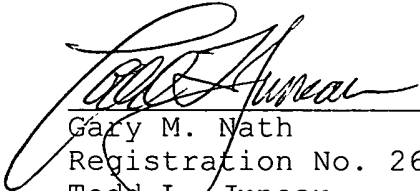
Submitted herewith for filing in the U.S. Patent and Trademark Office is the following:

1. Transmittal Letter;
2. Response to a Notice to Comply with Requirements under 37 C.F.R. 1.821-1.825
3. A copy of the Sequence Listing in Computer Readable Form;
4. A paper copy of the Sequence Listing;
5. Verification Summary Report generated by Checker Version 3.1; and
6. A copy of the Notice to Comply with Requirements for Patent Application Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures.

Please charge any required fee, or credit any overpayment, in connection with this matter to Deposit Account No. 14-0112.

October 24, 2002  
**NATH & ASSOCIATES PLLC**  
1030 15<sup>th</sup> Street, N.W.  
6<sup>th</sup> Floor  
Washington, D.C. 20005  
202-775-8383

Respectfully submitted,  
**NATH & ASSOCIATES PLLC**

  
\_\_\_\_\_  
Gary M. Nath  
Registration No. 26,965  
Todd L. Juneau  
Registration No. 40,669  
Customer No. 20529



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/627,165	07/27/2000	Jongbae Kim	24170	9845

20529 7590 09/24/2002

NATH & ASSOCIATES  
1030 15th STREET  
6TH FLOOR  
WASHINGTON, DC 20005

EXAMINER

KAM, CHIH MIN

ART UNIT	PAPER NUMBER
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1653

DATE MAILED: 09/24/2002

12

Please find below and/or attached an Office communication concerning this application or proceeding.





UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: ASSISTANT COMMISSIONER FOR PATENTS

Washington, D.C. 20231

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER
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ART UNIT	PAPER
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12

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

The communication filed November 1, 2001 is not fully responsive to the Office communication mailed October 2, 2001 for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the above-mentioned reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of ONE (1) MONTH from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chih-Min Kam whose telephone number is (703) 308-9437. The examiner can normally be reached on 8:00-4:30 from Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low, can be reached on (703) 308-2923. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-0294.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0196.

A reply to a notice to comply with the sequence rules should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office.

Please direct all replies to the United States Patent and Trademark Office via one (1) of the following:

1. Electronically submitted through EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)

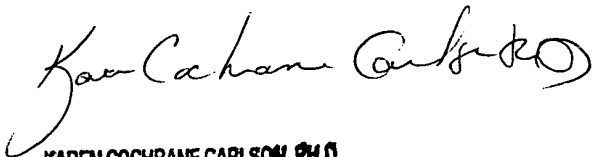
2. Mailed to:  
U.S. Patent and Trademark Office  
Box Sequence, P.O. Box 2327  
Arlington, VA 22202

3. Mailed by Federal Express, United Parcel Service or other delivery service to:  
U. S. Patent and Trademark Office

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Customer Window, Box Sequence  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

4. Hand Carried directly to the Customer Window at:  
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Crystal Plaza Two, Lobby, Room 1B03, Box Sequence,  
Arlington, Virginia 22202

Chih-Min Kam, Ph.D.  
September 23, 2002

  
KAREN COCHRANE CARLSON, PH.D.  
PRIMARY EXAMINER

# NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: Nucleotide sequences are cited at page 15, lines 8 and 9, and amino acid sequences are cited in Tables 7, 9a, 9b and 9c, however, there are no sequence identifiers "SEQ ID NO:" given.

## Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216 or (703) 308-2923
- For CRF Submission Help, call (703) 308-4212
- For PatentIn software Program Support:
  - HELP DESK: (703) 739-8559, ext 508, M-F, 8 AM to 5 PM EST except holidays
  - Email: [PATIN21HELP@uspto.gov](mailto:PATIN21HELP@uspto.gov)
  - To purchase PatentIn software: (703) 306-2600

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

PAGE: 1  
10/24/2002

VERIFICATION SUMMARY REPORT

DATE:

15:20:49

PATENT APPLICATION

TIME:

INPUT SEQ: A:\09-627,165.txt

GENERAL INFORMATION SECTION

PROTEINS 4,<110> KIM, Jong-Bae  
6,<120> CRUDE EXTRACT FROM Viscum album coloratum, AND  
7, AND LECTINS ISOLATED THEREFROM  
9,<130> Korean Mistletoe Lectin  
11,<140> 09/627,165  
12,<141> 2000-07-27  
14,<160> 80

ERRORED LINES SECTION

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Xaa  
W--> 600 Xaa Val Glu Thr Cys Val Ser His Lys Gln Asn Gln Lys Trp Ala  
Leu  
W--> 635 gccagattca atcccatcnt gtggaggctt cgccggcaaa ttaacagtgg  
ggagtcttct 60  
W--> 641 tttgtgacgn tgagcaatgt tgcgcagctg atctccagct tggcgatcat  
gttgttcgaa 240  
W--> 645 gtggatgcgg ccaacgatgt cacctgcact ntttccgaac ccaccgtgcg  
catcgta 357  
W--> 661 Ala Arg Phe Asn Pro Ile Xaa Trp Arg Leu Arg Arg Gln Ile Asn  
Ser  
W--> 670 Asn Thr Gln Ile Arg Leu Gln Ile Ser Ala Gly Asn Phe Val Thr  
Xaa  
W--> 679 Leu Arg Ser Val Val Asp Ala Ala Asn Asp Val Thr Cys Thr Xaa  
Ser  
W--> 776 gtnacncatc anaacngg 18  
W--> 791 acnatncgca cngtnggtc 19  
W--> 857 Asp Val Thr Xaa Thr Ala Ser Glu Pro Thr Val Arg Ile  
W--> 1360 Ala Arg Phe Asn Pro Ile Xaa Trp Arg Leu Arg Arg Gln Ile Asn  
Ser  
W--> 1519 SER Xaa ASN VAL ARG ASP VAL ILE SER  
W--> 1730 ASP VAL THR Xaa THR Xaa SER GLU PRO THR VAL ARG ILE VAL

STATISTICS SUMMARY

Application Serial Number: 09/627,165  
Alpha or Numeric: Numeric  
Application Class:  
Application File Date: 2000-07-27  
Art Unit:  
Software Application:  
Total Number of Sequences: 80  
Total Nucleotides: 5583

Total Amino Acids: 3275  
Number of Errors: 0  
Number of Warnings: 14  
Number of Corrections: 0